REMARKS

Summary

Amended independent Claims 1, 44, and 87 recite at least one feature not disclosed or suggested by the art discussed in the application and the patent to Moran, et al. Therefore, is the outstanding rejection of these claims still proper?

Status of the claims

Claims 1-14, 16-27, 29-57, 59-70, and 72-87 are pending. Claims 15, 28, 58, and 71 have been canceled without prejudice. Claims 1, 4, 17, 19, 25, 26, 27, 29-33, 35, 42, 44, 45, 47, 60, 62, 68-70, 72-76, 78, 79, 80, 81, 84, 85, and 87 have been amended. Claims 1, 44, and 87 are independent.

Requested action

Applicants respectfully request the Office to reconsider and withdraw the outstanding rejections in view of the foregoing amendment and the following remarks.

Rejections

Claims 1-8, 11-15, 19-30, and 39-41 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the art described at pages 1 through 4 of the present application in view of U.S. Patent No. 5,786,814 (Moran, et al.). Claims 9 and 10 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the art discussed in the specification and the patent to Moran, et al. in view of U.S. Patent No. 5,918,222 (Fukui, et al.). Claims 16-18 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the art discussed in the

specification and the patent to <u>Moran, et al.</u> in view of U.S. Patent No. 5,727,129 (<u>Barrett,</u> <u>et al.</u>) Claims 32-38, 42, and 43 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the art discussed in the specification and the patent to <u>Moran, et al.</u> in view of U.S. Patent No. 6,018,342 (<u>Bristor</u>). In addition, the Office Action apparently rejects Claims 44-86 for the same reasons and over the same art as Claims 1-43 and rejects Claim 87 over the same art and for the same reasons as Claim 1.

Response to rejections

In response, while not conceding the propriety of the rejections, independent Claims 1, 44, and 87 have been amended. Applicants submit that as amended, these claims are allowable for the following reasons.

Independent Claim 1 relates to an information processing apparatus comprising input means for entering information and storage means.

Claim 1 has been amended to recite first processing means for performing one of a plurality of types of processing as a first processing operation on the information entered at the input means.

Claim 1 has also been amended to recite that the storage means stores information processed by the first processing means with the type of the first processing as hysteresis data for the first processing operation.

In addition, Claim 1 has been amended to recite data selection means for selecting one of the hysteresis data from the storage means, processing selection means for selecting one of a plurality of types processing as a second processing operation, and second processing

means for performing the second processing operation on the information contained in the hysteresis data selected by the data selection means.

In contrast, the art discussed in the specification merely discloses the storing of address data as hysteresis data, while the Moran, et al. patent merely discloses the time stamping of primitive operations, associating of the primitive operations with an object, the storing of an event menu that lists all the events associated with the object, and commencing playback time for the object by selecting an event from the menu (column 25, lines 35-50 and column 26, lines 9-20).

But neither citation discloses or suggests first processing means for performing one of a plurality of types of processing as a first processing operation on information entered at input means, storage means for storing information processed by the first processing means with the type of the first processing as hysteresis data for the first processing operation, data selection means for selecting one of the hysteresis data from the storage means, processing selection means for selecting one of a plurality of types processing as a second processing operation, and second processing means for performing the second processing operation on the information contained in the hysteresis data selected by the data selection means, as recited by amended Claim 1.

The failure of these references to disclose or suggest at least these features proves fatal to establishing a prima facie case of obviousness against amended Claim 1, since MPEP §2142, requires that:

> To establish a prima facie case of obviousness... the prior art reference (or references when combined) must teach or suggest all the claim limitations.

For this reason, amended Claim 1 is allowable over the art discussed in the specification and the <u>Moran, et al.</u> patent.

Since independent Claims 44 and 87 have been amended in a manner similar to Claim 1, they are allowable for similar reasons.
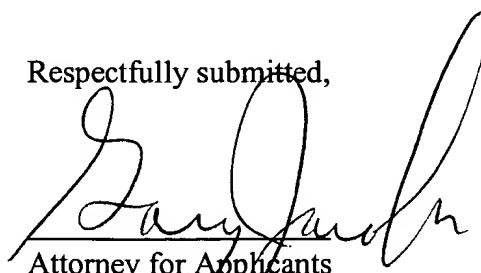
The dependent claims are allowable for the reasons given with respect to the independent claims and because they recite features which are patentable in their own right. Individual consideration of the dependent claims is respectfully solicited.

The other art of record is also not understood to disclose or suggest the inventive concept of the present invention as defined by the claims.

In view of the above amendments and remarks, the claims are now in allowable form. Therefore, early passage to issue is respectfully solicited.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

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1. (Amended)   An information processing apparatus comprising:

input means for entering information;

first processing means for [processing said] performing one of a plurality of types

of processing as a first processing operation on the information entered at said input

means; [and]

storage means for storing [said] information [as hysteresis data for an operation

that is performed at said input means or] processed by said first processing means with the

type of the first processing as hysteresis data for the first processing operation;

data selection means for selecting one of the hysteresis data from said storage

means;

processing selection means for selecting one of a plurality of types processing as a

second processing operation; and

second processing means for performing the second processing operation on the

information contained in the hysteresis data selected by said data selection means.

4. (Amended) An information processing apparatus according to claim 3, further

comprising analyzation means for analyzing the contents of an operation performed at said

input means or by said first processing means, and for acquiring said associated

information for said operation.

17. (Amended) An information processing apparatus according to claim 16, wherein said associated hysteresis information is used to store hysteresis data for a series of operations [with correlation] correlated with each other.

19. (Amended) An information processing apparatus according to claim 1, wherein said storage means stores said hysteresis data in correlation with an object in a process other than a process performed by said first processing means.

25. (Amended) An information processing apparatus according to claim 1, wherein a process performed by said first processing means includes one of reading of information, printing, copying, displaying, transmitting, saving, [search] searching, pending, editing, deletion, condition change and setup change.

26. (Amended) An information processing apparatus according to claim 1, further comprising control means for controlling said process performed by said first processing means based on said hysteresis data stored in said storage means.

27. (Amended) An information processing apparatus according to claim 26, wherein said control means controls performance or cancellation of said process performed by said first processing means.

29. (Amended) An information processing apparatus according to claim [28] 1, wherein said process performed by said second processing means is an instruction to another apparatus to execute a predetermined process.

30. (Amended) An information processing apparatus according to claim [28] 1, wherein said process performed by said second processing means includes one of printing, displaying, transmitting, saving, pending, editing, deleting, changing of a hysteresis data saving period, condition change, a setup change, and update of knowledge.

31. (Amended) An information processing apparatus according to claim [28] 1, wherein said process performed by said second processing means includes filing, scheduling, pending, management of an address list, mail processing and device management.

32. (Amended) An information processing apparatus according to claim [28] 1, wherein said storage means stores hysteresis data in correlation with an object to be processed by said second processing means.

33. (Amended) An information processing apparatus according to claim [28] 1, wherein said process performed by said second processing means includes a search for hysteresis data.

35. (Amended) An information processing apparatus according to claim [28] 1, wherein said process performed by said second processing means includes display of a list of hysteresis data that are stored in said storage means.

42. (Amended) An information processing apparatus according to claim [28] 1, wherein said hysteresis data include said object to be input or to be processed, and said second processing means performs a process for said object.

44. (Amended) An information processing method comprising:

an input step of entering information;

a first processing step of [processing said] performing one of a plurality of types of processing as a first processing operation on the information entered at said input [step] means; [and]

a storage step of storing [said] information [as hysteresis data for an operation that is performed at said input step or] processed at said first processing step with the type of the first processing as hysteresis data for the first processing operation;

a data selection step of selecting one of the hysteresis data stored at said storage step;

a processing selection step of selecting one of a plurality of types processing as a second processing operation; and

a second processing step of performing the second processing operation on the information contained in the hysteresis data selected at said data selection step.

45. (Amended) An information processing method according to claim 44, further comprising an output step of outputting results obtained at said first processing step.

47. (Amended) An information processing method according to claim 46, further comprising an analyzation step of analyzing the contents of an operation performed at said input step or at said first processing step, and of acquiring said associated information for said operation.

60. (Amended) An information processing method according to claim 59, wherein said associated hysteresis information is used to store hysteresis data for a series of operations [with correlation] correlated with each other

62. (Amended) An information processing method according to claim 51, wherein at said storage step said hysteresis data are stored in correlation with an object in a process other than a process performed at said first processing step.

68. (Amended) An information processing method according to claim 44, wherein a process performed at said first processing step includes one of reading of information, printing, copying, displaying, transmitting, saving, [search] searching, pending, editing, deletion, condition change and setup change.

69. (Amended) An information processing method according to claim 44, further comprising a control step of controlling said process performed at said first processing step based on said hysteresis data stored at said storage step.

70. (Amended) An information processing method according to claim 69, wherein re-performance or cancellation of said process performed at said first processing step is controlled at said control step.

72. (Amended) An information processing method according to claim [71] 44, wherein said process performed at said second processing step is an instruction to another apparatus to execute a predetermined process.

73. (Amended) An information processing method according to claim [71] 44, wherein said process performed at said second processing step includes one of printing, displaying, transmitting, saving, pending, editing, deleting, changing of a hysteresis data saving period, condition change, a setup change, and update of knowledge.

74. (Amended) An information processing method according to claim [71] 44, wherein said process performed at said second processing step includes filing, scheduling, pending, management of an address list, mail processing and device management.

75. (Amended) An information processing method according to claim [71] 44, wherein, at said storage step, hysteresis data is stored in correlation with an object to be processed at said second processing step.

76. (Amended) An information processing apparatus according to claim [71] 44, wherein said process performed at said second processing step includes a search for hysteresis data.

78. (Amended) An information processing method according to claim [71] 44, wherein said process performed at said second processing step includes display of a list of hysteresis data that are stored at said storage step.

79. (Amended) An information processing method according to claim [78] 44, wherein said process performed at said second processing step includes a process for selecting specific hysteresis data from said list of hysteresis data.

80. (Amended) An information processing method according to claim [79] 44, wherein said process performed at said second processing step includes re-performance of an operation corresponding to selected hysteresis data.

81. (Amended) An information processing method according to claim [79] 44, wherein said process performed at said second processing step includes the performance,

for an object for an operation corresponding to selected hysteresis data, of a process that

differs from said operation corresponding to said selected hysteresis data.

84. (Amended) An information processing method according to claim [83] 44,

wherein, at said second processing step, displayed are said hysteresis data for another

apparatus, which are obtained by said acquisition means, and said hysteresis data of a

subject information processing apparatus, which are stored at said storage step.

85. (Amended) An information processing method according to claim [71] 44,

wherein said hysteresis data include said object to be input or to be processed, and wherein

a process for said object is performed at said second processing step.

87. (Amended) A computer-readable storage medium on which is stored an

information processing program for permitting a computer to perform information

processing, said program comprising codes for causing said computer to perform:

an input step of entering information;

a first processing step of [processing said] performing one of a plurality of types of

processing as a first processing operation on the information entered at said input step;

[and]

a storage step of storing [said] the information [as hysteresis data for an operation

that is performed at said input step or] processed at [said] first processing step with the

types of the first processing as hysteresis data for the first processing operation;

a data selection step of selecting one of the hysteresis data stored at said storage

step;

a processing selection step of selecting one of a plurality of types processing as a

second processing operation; and

a second processing step of performing the second processing operation on the

information contained in the hysteresis data selected at said data selection step.

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